

WEST Search History

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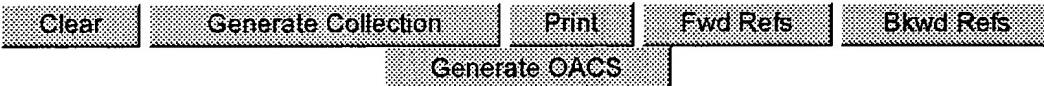
DATE: Tuesday, August 31, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L39	5488342	18
<input type="checkbox"/>	L38	L36 and (coaxial\$2 or co-axial\$2)	8
<input type="checkbox"/>	L37	L36 and (Alderman or grant or helmholtz or helmholtz or "helm holz")	0
<input type="checkbox"/>	L36	L35 and l31	16
<input type="checkbox"/>	L35	324/303.ccls. L33 and (((single or one or individual) with coil) with ((flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux) or null or nullif\$4 or cancel\$4 or cancelation) with (contour\$4 or profile or trajector\$4 or path or project\$4 or (line with (magnet\$2 or field))))))	509
<input type="checkbox"/>	L34	L32 and ((flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux) or null or nullif\$4 or cancel\$4 or cancelation) with (contour\$4 or profile or trajector\$4 or path or project\$4 or (line with (magnet\$2 or field)))))	16
<input type="checkbox"/>	L33	L31 and (contour\$4 or profile or trajector\$4 or path or project\$4 or (line with (magnet\$2 or field))))	136
<input type="checkbox"/>	L32	L30 and(((pair or "set" or plurality or group or "SAC" or solenoid\$4 or two) with coils) with (opposite or revers\$4 or rotat\$4 or return\$4 or clockwise or "counter clockwise" or counter-clockwise or counter or "CRC"))	371
<input type="checkbox"/>	L30	L29 and (magnetic adj field)	874
<input type="checkbox"/>	L29	L28 and (flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux) or null or nullif\$4 or cancel\$4 or cancelation)	895
<input type="checkbox"/>	L28	L27 and (current with (path or pattern or winding or turn or coil))	1558
<input type="checkbox"/>	L27	L26 and (current)	1818
<input type="checkbox"/>	L26	L25 and (cylinder or cylindrical\$3 or tube)	2072
<input type="checkbox"/>	L25	L24 and (parallel or perpendicular\$2 or orthogonal\$2)	3075
<input type="checkbox"/>	L24	L23 and ((pair or "set" or plurality or group or "SAC" or solenoid\$4 or two) with coils)	3712
<input type="checkbox"/>	L23	L22 and ((single or one or individual) with coil)	5057
<input type="checkbox"/>	L22	L21 and (opposite or revers\$4 or rotat\$4 or return\$4 or clockwise or "counter clockwise" or counter-clockwise or counter or "CRC")	88538
<input type="checkbox"/>	L21	((magnetic adj resonance) or MRI or NMR)	186050
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L20	6493572	10
		<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L19	L18 and (zero)	4

<input type="checkbox"/>	L18	L17 and (net)	7
<input type="checkbox"/>	L17	L16 and (mutual\$3)	11
<input type="checkbox"/>	L16	L15 and (induct\$6)	20
<input type="checkbox"/>	L15	L14 and (parallel or perpendicular\$2 or orthogonal\$2)	20
<input type="checkbox"/>	L14	L13 and (mode)	20
<input type="checkbox"/>	L13	L12 and ((zero or "0" or "no" or null or null\$6 or cancel\$5 or eliminat\$6) with coupl\$5)	26
<input type="checkbox"/>	L12	L11 and (coupl\$5)	60
<input type="checkbox"/>	L11	L10 and (current with (path or pattern or winding))	97
<input type="checkbox"/>	L10	L9 and (current)	165
<input type="checkbox"/>	L9	L8 and ((plurality or group or set or array) with coil)	169
<input type="checkbox"/>	L8	L6 and ((flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux)) with (contour\$4 or profile or trajector\$4 or path))	232
<input type="checkbox"/>	L7	L2 and ((flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux)) with (contour\$4 or profile or trajector\$4 or path))	494
<input type="checkbox"/>	L6	L5 and (contour\$4 or profile or trajector\$4 or path)	539
<input type="checkbox"/>	L5	L4 and ((pair or two) with coils)	810
<input type="checkbox"/>	L4	L3 and ((single or one or individual) with coil)	1050
<input type="checkbox"/>	L3	L2 and (flux or zero-flux or "zero flux" or "0-flux" or "0 flux" or ("no" with flux))	4530
<input type="checkbox"/>	L2	L1 and (opposite or revers\$4 or return\$4 or clockwise or "counter clockwise" or counter-clockwise)	66934
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	178722

END OF SEARCH HISTORY

Hit List



Search Results - Record(s) 1 through 20 of 20 returned.

1. Document ID: US 20040000908 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 20

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040000908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040000908 A1

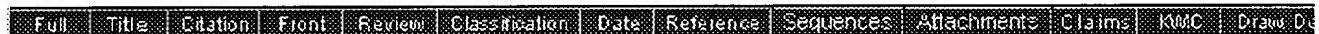
TITLE: Method and apparatus for NMR imaging

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Molyneaux, David A.	Gainesville	FL	US	
Duensing, G. Randy	Gainesville	FL	US	
Gotshal, S. Uli	Gainesville	FL	US	
Schubert, Thomas E.	Delafield	WI	US	
Holland, Alan	Archer	FL	US	
King, Scott B.	Gainesville	FL	US	

US-CL-CURRENT: 324/318; 324/309



2. Document ID: US 20030058125 A1

L16: Entry 2 of 20

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030058125 A1

TITLE: Reservoir management system and method

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ciglenec, Reinhart	Houston	TX	US	
Tabanou, Jacques R.	Houston	TX	US	

US-CL-CURRENT: 340/853.1; 340/853.2, 340/855.8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINL](#) | [Drawn](#) | [Do](#)

3. Document ID: US 20020195247 A1

L16: Entry 3 of 20

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020195247

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020195247 A1

TITLE: Well-bore sensor apparatus and method

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ciglenec, Reinhart	Katy	TX	US	
Tabanou, Jacques	Houston	TX	US	
MacDougall, Thomas	Sugar Land	TX	US	
Havlinek, Kenneth	Houston	TX	US	
Liberman, Arthur	Ridgefield	CT	US	
Bryant, Ian	Newtown	CT	US	
Fields, Troy	Stafford	TX	US	

US-CL-CURRENT: 166/250.11; 166/250.15, 166/297

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINL](#) | [Drawn](#) | [Do](#)

4. Document ID: US 20020171560 A1

L16: Entry 4 of 20

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020171560

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020171560 A1

TITLE: Reservoir management system and method

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ciglenec, Reinhart	Houston	TX	US	
Tabanou, Jacques R.	Houston	TX	US	

US-CL-CURRENT: 340/853.1; 340/853.8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [D](#)

5. Document ID: US 20020149498 A1

L16: Entry 5 of 20

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020149498

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020149498 A1

TITLE: Reservoir monitoring through windowed casing joint

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tabanou, Jacques	Houston	TX	US	
Ciglenec, Reinhart	Houston	TX	US	
Eckersley, Clive	Cairo		EG	
Chouzenoux, Christian	St. Cloud		FR	

US-CL-CURRENT: 340/854.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [D](#)

6. Document ID: US 6766854 B2

L16: Entry 6 of 20

File: USPT

Jul 27, 2004

US-PAT-NO: 6766854

DOCUMENT-IDENTIFIER: US 6766854 B2

TITLE: Well-bore sensor apparatus and method

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ciglenec; Reinhart	Katy	TX		
Tabanou; Jacques	Houston	TX		
MacDougall; Thomas	Sugar Land	TX		
Havlinek; Kenneth	Houston	TX		
Liberman; Arthur	Ridgefield	CT		
Bryant; Ian	Newtown	CT		
Fields; Troy	Stafford	TX		

US-CL-CURRENT: 166/250.11; 340/856.2, 340/856.3, 73/152.46

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [D](#)

□ 7. Document ID: US 6693553 B1

L16: Entry 7 of 20

File: USPT

Feb 17, 2004

US-PAT-NO: 6693553

DOCUMENT-IDENTIFIER: US 6693553 B1

TITLE: Reservoir management system and method

DATE-ISSUED: February 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ciglenec; Reinhart	Houston	TX		
Tabanou; Jacques R.	Houston	TX		

US-CL-CURRENT: 340/853.1; 166/250.01, 175/50, 340/853.3, 73/152.46, 73/152.54

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

□ 8. Document ID: US 6633161 B1

L16: Entry 8 of 20

File: USPT

Oct 14, 2003

US-PAT-NO: 6633161

DOCUMENT-IDENTIFIER: US 6633161 B1

TITLE: RF coil for imaging system

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan, Jr.; J. Thomas	Stillwater	MN		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

□ 9. Document ID: US 6426917 B1

L16: Entry 9 of 20

File: USPT

Jul 30, 2002

US-PAT-NO: 6426917

DOCUMENT-IDENTIFIER: US 6426917 B1

TITLE: Reservoir monitoring through modified casing joint

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tabanou; Jacques	Houston	TX		
Ciglenec; Reinhart	Houston	TX		
Eckersley; Clive	Cairo			EG
Chouzenoux; Christian	St. Cloud			FR

US-CL-CURRENT: 367/82; 324/333, 324/338, 340/854.4, 340/854.6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn](#) | [D](#)

10. Document ID: US 6285189 B1

L16: Entry 10 of 20

File: USPT

Sep 4, 2001

US-PAT-NO: 6285189

DOCUMENT-IDENTIFIER: US 6285189 B1

TITLE: Millipede coils

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wong; Wai Ha	San Jose	CA		

US-CL-CURRENT: 324/318; 324/321, 335/299, 600/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn](#) | [D](#)

11. Document ID: US 6060882 A

L16: Entry 11 of 20

File: USPT

May 9, 2000

US-PAT-NO: 6060882

DOCUMENT-IDENTIFIER: US 6060882 A

TITLE: Low-inductance transverse litz foil coils

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		

US-CL-CURRENT: 324/318; 324/319, 324/322, 600/421

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn](#) | [D](#)

□ 12. Document ID: US 5886596 A

L16: Entry 12 of 20

File: USPT

Mar 23, 1999

US-PAT-NO: 5886596

DOCUMENT-IDENTIFIER: US 5886596 A

** See image for Certificate of Correction **

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan, Jr.; John Thomas	Lynnfield	MA		

US-CL-CURRENT: 333/219; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMD	Drawn
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□ 13. Document ID: US 5798679 A

L16: Entry 13 of 20

File: USPT

Aug 25, 1998

US-PAT-NO: 5798679

DOCUMENT-IDENTIFIER: US 5798679 A

** See image for Certificate of Correction **TITLE: Magnetic flux bending devices

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pissanetzky; Sergio	The Woodlands	TX		

US-CL-CURRENT: 335/299

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMD	Drawn
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□ 14. Document ID: US 5557247 A

L16: Entry 14 of 20

File: USPT

Sep 17, 1996

US-PAT-NO: 5557247

DOCUMENT-IDENTIFIER: US 5557247 A

** See image for Certificate of Correction **

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: September 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughn, Jr.; John T.	Birmingham	AL		

US-CL-CURRENT: 333/219; 324/318, 324/322, 333/222, 333/227

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KM/C	Drawn	Des
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□ 15. Document ID: US 5521506 A

L16: Entry 15 of 20

File: USPT

May 28, 1996

US-PAT-NO: 5521506

DOCUMENT-IDENTIFIER: US 5521506 A

TITLE: Orthogonal adjustment of magnetic resonance surface coils

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Misic; George	Novelty	OH		
Reid; Eric	Monroeville	PA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KM/C	Drawn	Des
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□ 16. Document ID: US 5477146 A

L16: Entry 16 of 20

File: USPT

Dec 19, 1995

US-PAT-NO: 5477146

DOCUMENT-IDENTIFIER: US 5477146 A

TITLE: NMR adjustable volume array

DATE-ISSUED: December 19, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Randall W.	Elkhorn	NE		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KM/C	Drawn	Des
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□ 17. Document ID: US 5202635 A

L16: Entry 17 of 20

File: USPT

Apr 13, 1993

US-PAT-NO: 5202635

DOCUMENT-IDENTIFIER: US 5202635 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: April 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Philadelphia	PA		
Murphy-Boesch; Joseph	Lafayette Hills	PA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMD	Drawn	Des
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 18. Document ID: US 5194811 A

L16: Entry 18 of 20

File: USPT

Mar 16, 1993

US-PAT-NO: 5194811

DOCUMENT-IDENTIFIER: US 5194811 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: March 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy-Boesch; Joseph	Lafayette Hill	PA		
Srinivasan; Ravi	Philadelphia	PA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMD	Drawn	Des
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 19. Document ID: US 4799016 A

L16: Entry 19 of 20

File: USPT

Jan 17, 1989

US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rezvani; Behrooz	Shorewood	WI		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn
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20. Document ID: US 4694255 A

L16: Entry 20 of 20

File: USPT

Sep 15, 1987

US-PAT-NO: 4694255

DOCUMENT-IDENTIFIER: US 4694255 A

** See image for Certificate of Correction **TITLE: Radio frequency field coil for NMR

DATE-ISSUED: September 15, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
INDUCT\$6	0
INDUCT	1308
INDUCTABLE	17
INDUCTABLY	10
INDUCTACE	7
INDUCTACES	3
INDUCTACNCE	1
INDUCTALLOY	3
INDUCTAMCES	1
INDUCTAME	1
INDUCTAN	1
(L15 AND (INDUCT\$6)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	20

There are more results than shown above. Click here to view the entire set.

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACs				

Search Results - Record(s) 1 through 11 of 11 returned.

1. Document ID: US 20040000908 A1

Using default format because multiple data bases are involved.

L17: Entry 1 of 11

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040000908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040000908 A1

TITLE: Method and apparatus for NMR imaging

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Molyneaux, David A.	Gainesville	FL	US	
Duensing, G. Randy	Gainesville	FL	US	
Gotshal, S. Uli	Gainesville	FL	US	
Schubert, Thomas E.	Delafield	WI	US	
Holland, Alan	Archer	FL	US	
King, Scott B.	Gainesville	FL	US	

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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2. Document ID: US 6633161 B1

L17: Entry 2 of 11

File: USPT

Oct 14, 2003

US-PAT-NO: 6633161

DOCUMENT-IDENTIFIER: US 6633161 B1

TITLE: RF coil for imaging system

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan, Jr.; J. Thomas	Stillwater	MN		

US-CL-CURRENT: 324/318; 324/322

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drafter] [D]

3. Document ID: US 6285189 B1

L17: Entry 3 of 11

File: USPT

Sep 4, 2001

US-PAT-NO: 6285189

DOCUMENT-IDENTIFIER: US 6285189 B1

TITLE: Millipede coils

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wong; Wai Ha	San Jose	CA		

US-CL-CURRENT: 324/318; 324/321, 335/299, 600/422

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drafter] [D]

4. Document ID: US 5886596 A

L17: Entry 4 of 11

File: USPT

Mar 23, 1999

US-PAT-NO: 5886596

DOCUMENT-IDENTIFIER: US 5886596 A

** See image for Certificate of Correction **

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughan, Jr.; John Thomas	Lynnfield	MA		

US-CL-CURRENT: 333/219; 324/318

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drafter] [D]

5. Document ID: US 5557247 A

L17: Entry 5 of 11

File: USPT

Sep 17, 1996

US-PAT-NO: 5557247

DOCUMENT-IDENTIFIER: US 5557247 A

** See image for Certificate of Correction **

TITLE: Radio frequency volume coils for imaging and spectroscopy

DATE-ISSUED: September 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughn, Jr.; John T.	Birmingham	AL		

US-CL-CURRENT: 333/219; 324/318, 324/322, 333/222, 333/227

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

6. Document ID: US 5521506 A

L17: Entry 6 of 11

File: USPT

May 28, 1996

US-PAT-NO: 5521506

DOCUMENT-IDENTIFIER: US 5521506 A

TITLE: Orthogonal adjustment of magnetic resonance surface coils

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Misic; George	Novelty	OH		
Reid; Eric	Monroeville	PA		

US-CL-CURRENT: 324/322; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

7. Document ID: US 5477146 A

L17: Entry 7 of 11

File: USPT

Dec 19, 1995

US-PAT-NO: 5477146

DOCUMENT-IDENTIFIER: US 5477146 A

TITLE: NMR adjustable volume array

DATE-ISSUED: December 19, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Randall W.	Elkhorn	NE		

US-CL-CURRENT: 324/318; 600/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

8. Document ID: US 5202635 A

L17: Entry 8 of 11

File: USPT

Apr 13, 1993

US-PAT-NO: 5202635

DOCUMENT-IDENTIFIER: US 5202635 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: April 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Philadelphia	PA		
Murphy-Boesch; Joseph	Lafayette Hills	PA		

US-CL-CURRENT: 324/322; 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

9. Document ID: US 5194811 A

L17: Entry 9 of 11

File: USPT

Mar 16, 1993

US-PAT-NO: 5194811

DOCUMENT-IDENTIFIER: US 5194811 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: March 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy-Boesch; Joseph	Lafayette Hill	PA		
Srinivasan; Ravi	Philadelphia	PA		

US-CL-CURRENT: 324/322; 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

10. Document ID: US 4799016 A

L17: Entry 10 of 11

File: USPT

Jan 17, 1989

US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rezvani; Behrooz	Shorewood	WI		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [\(Claims\)](#) | [KUDU](#) | [Drawn](#) | [D](#)

 11. Document ID: US 4694255 A

L17: Entry 11 of 11

File: USPT

Sep 15, 1987

US-PAT-NO: 4694255

DOCUMENT-IDENTIFIER: US 4694255 A

**** See image for Certificate of Correction ****TITLE: Radio frequency field coil for NMR

DATE-ISSUED: September 15, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [\(Claims\)](#) | [KUDU](#) | [Drawn](#) | [D](#)

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Term	Documents
MUTUAL\$3	0
MUTUAL	207884
MUTUALA	1
MUTUALAID	1
MUTUALISM	27
MUTUALIST	1
MUTUALITE	2
MUTUALITY	102
MUTUALIY	1
MUTUALIZE	3
MUTUALL	25
(L16 AND (MUTUAL\$3)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	11

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20040000908 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 7

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040000908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040000908 A1

TITLE: Method and apparatus for NMR imaging

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Molyneaux, David A.	Gainesville	FL	US	
Duensing, G. Randy	Gainesville	FL	US	
Gotshal, S. Uli	Gainesville	FL	US	
Schubert, Thomas E.	Delafield	WI	US	
Holland, Alan	Archer	FL	US	
King, Scott B.	Gainesville	FL	US	

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw	Des
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2. Document ID: US 5521506 A

L18: Entry 2 of 7

File: USPT

May 28, 1996

US-PAT-NO: 5521506

DOCUMENT-IDENTIFIER: US 5521506 A

TITLE: Orthogonal adjustment of magnetic resonance surface coils

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Misic; George	Novelty	OH		
Reid; Eric	Monroeville	PA		

US-CL-CURRENT: 324/322; 324/318

[Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KMC | Drawn Ds]

3. Document ID: US 5477146 A

L18: Entry 3 of 7

File: USPT

Dec 19, 1995

US-PAT-NO: 5477146

DOCUMENT-IDENTIFIER: US 5477146 A

TITLE: NMR adjustable volume array

DATE-ISSUED: December 19, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Randall W.	Elkhorn	NE		

US-CL-CURRENT: 324/318; 600/422

[Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KMC | Drawn Ds]

4. Document ID: US 5202635 A

L18: Entry 4 of 7

File: USPT

Apr 13, 1993

US-PAT-NO: 5202635

DOCUMENT-IDENTIFIER: US 5202635 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: April 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Philadelphia	PA		
Murphy-Boesch; Joseph	Lafayette Hills	PA		

US-CL-CURRENT: 324/322; 324/318

[Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KMC | Drawn Ds]

5. Document ID: US 5194811 A

L18: Entry 5 of 7

File: USPT

Mar 16, 1993

US-PAT-NO: 5194811

DOCUMENT-IDENTIFIER: US 5194811 A

TITLE: Radio frequency volume resonator for nuclear magnetic resonance

DATE-ISSUED: March 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy-Boesch; Joseph	Lafayette Hill	PA		
Srinivasan; Ravi	Philadelphia	PA		

US-CL-CURRENT: 324/322; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [D](#)

6. Document ID: US 4799016 A

L18: Entry 6 of 7

File: USPT

Jan 17, 1989

US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rezvani; Behrooz	Shorewood	WI		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [D](#)

7. Document ID: US 4694255 A

L18: Entry 7 of 7

File: USPT

Sep 15, 1987

US-PAT-NO: 4694255

DOCUMENT-IDENTIFIER: US 4694255 A

**** See image for Certificate of Correction ****

TITLE: Radio frequency field coil for NMR

DATE-ISSUED: September 15, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		

US-CL-CURRENT: 324/318; 324/322

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [] [] [Claims] [KMC] [Drawn D]

[Clear](#)

[Generate Collection](#)

[Print](#)

[Fwd Refs](#)

[Bkwd Refs](#)

[Generate OACS](#)

Term	Documents
NET	247135
NETS	21841
(17 AND NET).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	7
(L17 AND (NET)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	7

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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate GACS				

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20040000908 A1

Using default format because multiple data bases are involved.

L19: Entry 1 of 4

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040000908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040000908 A1

TITLE: Method and apparatus for NMR imaging

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Molyneaux, David A.	Gainesville	FL	US	
Duensing, G. Randy	Gainesville	FL	US	
Gotshal, S. Uli	Gainesville	FL	US	
Schubert, Thomas E.	Delafield	WI	US	
Holland, Alan	Archer	FL	US	
King, Scott B.	Gainesville	FL	US	

US-CL-CURRENT: 324/318; 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

2. Document ID: US 5521506 A

L19: Entry 2 of 4

File: USPT

May 28, 1996

US-PAT-NO: 5521506

DOCUMENT-IDENTIFIER: US 5521506 A

TITLE: Orthogonal adjustment of magnetic resonance surface coils

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Misic; George	Novelty	OH		
Reid; Eric	Monroeville	PA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Drawn	De
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3. Document ID: US 5477146 A

L19: Entry 3 of 4

File: USPT

Dec 19, 1995

US-PAT-NO: 5477146

DOCUMENT-IDENTIFIER: US 5477146 A

TITLE: NMR adjustable volume array

DATE-ISSUED: December 19, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Randall W.	Elkhorn	NE		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Drawn	De
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4. Document ID: US 4694255 A

L19: Entry 4 of 4

File: USPT

Sep 15, 1987

US-PAT-NO: 4694255

DOCUMENT-IDENTIFIER: US 4694255 A

**** See image for Certificate of Correction ****TITLE: Radio frequency field coil for NMR

DATE-ISSUED: September 15, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Drawn	De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
ZERO	802430
ZEROES	11856

ZEROS	33192
ZEROE	9
(18 AND ZERO).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	4
(L18 AND (ZERO)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	4

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Search Results - Record(s) 1 through 10 of 10 returned.

1. Document ID: US 20030114748 A1

Using default format because multiple data bases are involved.

L20: Entry 1 of 10

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114748

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030114748 A1

TITLE: Inherently de-coupled sandwiched solenoidal array coil

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Su, Sunyu	South San Francisco	CA	US	
Kaufman, Leon	San Francisco	CA	US	
Aarakawa, Mitsuaki	Hillsborough	CA	US	
Carlson, Joseph W.	Kensington	CA	US	

US-CL-CURRENT: 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn	Defn
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2. Document ID: US 20030109782 A1

L20: Entry 2 of 10

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109782

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109782 A1

TITLE: Inherently de-coupled sandwiched solenoidal array coil

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Su, Sunyu	South San Francisco	CA	US	
Kaufman, Leon	San Francisco	CA	US	

US-CL-CURRENT: 600/421

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments] [Claims] [KMC] [Drawings]

3. Document ID: US 6768303 B1

L20: Entry 3 of 10

File: USPT

Jul 27, 2004

US-PAT-NO: 6768303

DOCUMENT-IDENTIFIER: US 6768303 B1

TITLE: Double-counter-rotational coil

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	Hudson	OH		
Zou; Mark Xueming	Aurora	OH		

US-CL-CURRENT: 324/309; 324/318

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments] [Claims] [KMC] [Drawings]

4. Document ID: US 6751496 B2

L20: Entry 4 of 10

File: USPT

Jun 15, 2004

US-PAT-NO: 6751496

DOCUMENT-IDENTIFIER: US 6751496 B2

TITLE: Inherently de-coupled sandwiched solenoidal array coil

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		
Kaufman; Leon	San Francisco	CA		
Arakawa; Mitsuaki	Hillsborough	CA		

US-CL-CURRENT: 600/422; 324/318, 324/322

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments] [Claims] [KMC] [Drawings]

5. Document ID: US 6734673 B2

L20: Entry 5 of 10

File: USPT

May 11, 2004

US-PAT-NO: 6734673

DOCUMENT-IDENTIFIER: US 6734673 B2

TITLE: Apparatus and method for magnetic resonance imaging employing partial parallel acquisition with formation of signal combinations and solving of an equation system based thereon

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agrikola; Juergen	Eltmann			DE

US-CL-CURRENT: 324/318; 324/307, 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUDU](#) | [Download](#)

6. Document ID: US 6701178 B2

L20: Entry 6 of 10

File: USPT

Mar 2, 2004

US-PAT-NO: 6701178

DOCUMENT-IDENTIFIER: US 6701178 B2

TITLE: Inherently de-coupled sandwiched solenoidal array coil

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		
Kaufman; Leon	San Francisco	CA		

US-CL-CURRENT: 600/422; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUDU](#) | [Download](#)

7. Document ID: US 6701177 B2

L20: Entry 7 of 10

File: USPT

Mar 2, 2004

US-PAT-NO: 6701177

DOCUMENT-IDENTIFIER: US 6701177 B2

TITLE: Flexible, region-selectable inherently de-coupled sandwiched solenoidal array coil

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Su; Sunyu South San Francisco CA

US-CL-CURRENT: 600/422; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWM](#) | [Drawings](#)

8. Document ID: US 6650118 B2

L20: Entry 8 of 10

File: USPT

Nov 18, 2003

US-PAT-NO: 6650118

DOCUMENT-IDENTIFIER: US 6650118 B2

TITLE: RF coil system for an MR apparatus

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leussler; Christoph Guenther	Hamburg			DE

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWM](#) | [Drawings](#)

9. Document ID: US 6493572 B1

L20: Entry 9 of 10

File: USPT

Dec 10, 2002

US-PAT-NO: 6493572

DOCUMENT-IDENTIFIER: US 6493572 B1

TITLE: Inherently de-coupled sandwiched solenoidal array coil

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		
Kaufman; Leon	San Francisco	CA		
Arakawa; Mitsuaki	Hillsborough	CA		
Carlson; Joseph W.	Kensington	CA		

US-CL-CURRENT: 600/422; 324/318, 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWM](#) | [Drawings](#)

10. Document ID: US 6751496 B2, JP 2001137215 A, US 20020013526 A1, US 6493572

B1, US 20030109782 A1, US 20030114748 A1, US 6701177 B2, US 6701178 B2

L20: Entry 10 of 10

File: DWPI

Jun 15, 2004

DERWENT-ACC-NO: 2002-069041

DERWENT-WEEK: 200439

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TITLE: Solenoid coil array for magnetic resonance imaging system, has pair of radio frequency coil along common axle line, in which current flow is opposite to each other to produce magnetic field backing array effect

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Data](#) | [Reference](#) | [Image](#) | [Text](#) | [Claims](#) | [View](#) | [Download](#)

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[Fwd Refs](#)

[Bkwd Refs](#)

[Generate OACS](#)

Term	Documents
"6493572"	10
6493572S	0
"6493572" PGPB,USPT,EPAB,JPAB,DWPI,TDBD.	10
(6493572).PGPB,USPT,EPAB,JPAB,DWPI,TDBD.	10

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Generate OACS				

Search Results - Record(s) 1 through 16 of 16 returned.

1. Document ID: US 20040000908 A1

Using default format because multiple data bases are involved.

L34: Entry 1 of 16

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040000908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040000908 A1

TITLE: Method and apparatus for NMR imaging

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Molyneaux, David A.	Gainesville	FL	US	
Duensing, G. Randy	Gainesville	FL	US	
Gotshal, S. Uli	Gainesville	FL	US	
Schubert, Thomas E.	Delafield	WI	US	
Holland, Alan	Archer	FL	US	
King, Scott B.	Gainesville	FL	US	

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw	D
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2. Document ID: US 20030184295 A1

L34: Entry 2 of 16

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030184295

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030184295 A1

TITLE: Device for evaluating the density of protons present in a given body using nmr.

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Martin, Jean-Pierre	Paris		FR	

Locatelli, Marcel

Montbonnot

FR

US-CL-CURRENT: 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn Doc](#)**□ 3. Document ID: US 6768303 B1**

L34: Entry 3 of 16

File: USPT

Jul 27, 2004

US-PAT-NO: 6768303

DOCUMENT-IDENTIFIER: US 6768303 B1

TITLE: Double-counter-rotational coil

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	Hudson	OH		
Zou; Mark Xueming	Aurora	OH		

US-CL-CURRENT: 324/309; 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn Doc](#)**□ 4. Document ID: US 6437672 B1**

L34: Entry 4 of 16

File: USPT

Aug 20, 2002

US-PAT-NO: 6437672

DOCUMENT-IDENTIFIER: US 6437672 B1

TITLE: Superconducting magnetic device

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takeshima; Hirotaka	Ryugasaki			JP
Hommei; Takao	Hitachinaka			JP
Kawano; Hajime	Hitachinaka			JP
Tazaki; Hiroshi	Kashiwa			JP
Yatsuo; Takeshi	Kashiwa			JP
Kuroda; Shigenori	Tokyo			JP
Tanabe; Hajime	Tokyo			JP

US-CL-CURRENT: 335/216; 324/319, 324/320, 335/296, 335/297, 335/301

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

5. Document ID: US 6285188 B1

L34: Entry 5 of 16

File: USPT

Sep 4, 2001

US-PAT-NO: 6285188

DOCUMENT-IDENTIFIER: US 6285188 B1

TITLE: Self-shielded coil with non-inductive winding

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakakura; Yoshitomo	Nasu-Gun			JP

US-CL-CURRENT: 324/318

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

6. Document ID: US 6060882 A

L34: Entry 6 of 16

File: USPT

May 9, 2000

US-PAT-NO: 6060882

DOCUMENT-IDENTIFIER: US 6060882 A

TITLE: Low-inductance transverse litz foil coils

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		

US-CL-CURRENT: 324/318; 324/319, 324/322, 600/421

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

7. Document ID: US 5708360 A

L34: Entry 7 of 16

File: USPT

Jan 13, 1998

US-PAT-NO: 5708360

DOCUMENT-IDENTIFIER: US 5708360 A

TITLE: Active shield gradient coil for nuclear magnetic resonance imaging apparatus

DATE-ISSUED: January 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yui; Masao	Kanagawa-ken			JP
Kondo; Masafumi	Kanagawa-ken			JP

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMD](#) | [Dstar D](#)

8. Document ID: US 5578925 A

L34: Entry 8 of 16

File: USPT

Nov 26, 1996

US-PAT-NO: 5578925

DOCUMENT-IDENTIFIER: US 5578925 A

TITLE: Vertical field quadrature phased array coil system

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Molyneaux; David A.	Mentor	OH		
Braum; William O.	Solon	OH		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMD](#) | [Dstar D](#)

9. Document ID: US 5485087 A

L34: Entry 9 of 16

File: USPT

Jan 16, 1996

US-PAT-NO: 5485087

DOCUMENT-IDENTIFIER: US 5485087 A

TITLE: Magnetic resonance insert gradient coils with parabolic returns for improved access

DATE-ISSUED: January 16, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morich; Michael A.	Mentor	OH		
Petropoulos; Labros	Cleveland Heights	OH		
Lampman; David A.	Eastlake	OH		

US-CL-CURRENT: 324/318; 600/422

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

10. Document ID: US 5412363 A

L34: Entry 10 of 16

File: USPT

May 2, 1995

US-PAT-NO: 5412363

DOCUMENT-IDENTIFIER: US 5412363 A

TITLE: Open access superconducting MRI magnet

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Sarwinski; Raymond E.	San Diego	CA		
Hsu; Yen-Hwa L.	Solana Beach	CA		

US-CL-CURRENT: 335/216; 324/318, 324/319, 505/893, 62/51.1

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

11. Document ID: US 5359310 A

L34: Entry 11 of 16

File: USPT

Oct 25, 1994

US-PAT-NO: 5359310

DOCUMENT-IDENTIFIER: US 5359310 A

TITLE: Ultrashort cylindrical shielded electromagnet for magnetic resonance imaging

DATE-ISSUED: October 25, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pissanetzky; Sergio	The Woodlands	TX		

US-CL-CURRENT: 335/301; 324/318, 324/319, 335/216, 335/297, 335/299

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

12. Document ID: US 5227728 A

L34: Entry 12 of 16

File: USPT

Jul 13, 1993

US-PAT-NO: 5227728

DOCUMENT-IDENTIFIER: US 5227728 A

TITLE: Gradient driver control in magnetic resonance imaging

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaufman; Leon	San Francisco	CA		
Carlson; Joseph W.	Kensington	CA		
Gran; Richard	Farmingdale	NY		

US-CL-CURRENT: 324/322; 324/318

Full Title Citation Front Review Classification Date Reference Claims KUDU Drawn De

13. Document ID: US 5194810 A

L34: Entry 13 of 16

File: USPT

Mar 16, 1993

US-PAT-NO: 5194810

DOCUMENT-IDENTIFIER: US 5194810 A

TITLE: Superconducting MRI magnet with magnetic flux field homogeneity control

DATE-ISSUED: March 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Sarwinski; Raymond E.	San Diego	CA		
Hsu; Yen-Hwa L.	Solana Beach	CA		

US-CL-CURRENT: 324/319; 335/216, 335/296

Full Title Citation Front Review Classification Date Reference Claims KUDU Drawn De

14. Document ID: US 4613818 A

L34: Entry 14 of 16

File: USPT

Sep 23, 1986

US-PAT-NO: 4613818

DOCUMENT-IDENTIFIER: US 4613818 A

TITLE: Nuclear magnetic resonance blood flowmeter

DATE-ISSUED: September 23, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Battocletti; Joseph H.	River Hills	WI		
Halbach; Richard E.	Brookfield	WI		

Antonich; Frederick J.	Milwaukee	WI
Sances, Jr.; Anthony	Milwaukee	WI
Knox; Thomas A.	Brookfield	WI

US-CL-CURRENT: 324/306; 324/224, 324/309, 324/320

Full Title Citation Front Review Classification Date Reference Claims KOMC Drawn Ds

15. Document ID: US 4594550 A

L34: Entry 15 of 16

File: USPT

Jun 10, 1986

US-PAT-NO: 4594550

DOCUMENT-IDENTIFIER: US 4594550 A

TITLE: Method of scanning specifying magnetic field for nuclear magnetic resonance imaging

DATE-ISSUED: June 10, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamada; Yoshifumi	Utsunomiya			JP
Tanaka; Kunio	Asahikawa			JP
Abe; Zenwemon	Yokohama			JP

US-CL-CURRENT: 324/307; 324/318

Full Title Citation Front Review Classification Date Reference Claims KOMC Drawn Ds

16. Document ID: US 2973471 A

L34: Entry 16 of 16

File: USOC

Feb 28, 1961

US-PAT-NO: 2973471

DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404,

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACs				

Search Results - Record(s) 1 through 16 of 16 returned.

1. Document ID: US 20040113617 A1

Using default format because multiple data bases are involved.

L36: Entry 1 of 16

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040113617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040113617 A1

TITLE: Radio frequency NMR resonator with split axial shields

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
de Swiet, Thomas	Redwood City	CA	US	
Mehr, Knut G.	San Francisco	CA	US	

US-CL-CURRENT: 324/318; 324/300, 324/303, 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Data](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

2. Document ID: US 20030132749 A1

L36: Entry 2 of 16

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030132749

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030132749 A1

TITLE: Detecting tool motion effects on nuclear magnetic resonance measurements

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Speier, Peter	Stafford	TX	US	
Poitzsch, Martin E.	Sugar Land	TX	US	
Crary, Steven F.	Sugar Land	TX	US	

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIN/C	Drawn	Des
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3. Document ID: US 20020196018 A1

L36: Entry 3 of 16

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020196018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020196018 A1

TITLE: A nuclear magnetic resonance apparatus and method having toroidal antenna windings

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wisler, Macmillan M.	Kingwood	TX	US	
Gonsoulin, Bryan L.	Houston	TX	US	
Thompson, Larry W.	Willis	TX	US	

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIN/C	Drawn	Des
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4. Document ID: US 6703833 B2

L36: Entry 4 of 16

File: USPT

Mar 9, 2004

US-PAT-NO: 6703833

DOCUMENT-IDENTIFIER: US 6703833 B2

TITLE: Nuclear magnetic resonance apparatus and method having toroidal antenna windings

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wisler; Macmillan M.	Kingwood	TX		
Gonsoulin; Bryan L.	Houston	TX		
Thompson; Larry W.	Willis	TX		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KIN/C	Drawn	Des
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5. Document ID: US 6566874 B1

L36: Entry 5 of 16

File: USPT

May 20, 2003

US-PAT-NO: 6566874
DOCUMENT-IDENTIFIER: US 6566874 B1

TITLE: Detecting tool motion effects on nuclear magnetic resonance measurements

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Speier; Peter	Stafford	TX		
Poitzsch; Martin E.	Sugar Land	TX		
Crary; Steven F.	Sugar Land	TX		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn
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 6. Document ID: US 6459262 B1

L36: Entry 6 of 16

File: USPT

Oct 1, 2002

US-PAT-NO: 6459262
DOCUMENT-IDENTIFIER: US 6459262 B1

TITLE: Toroidal receiver for NMR MWD

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wisler; Macmillan M.	Kingwood	TX		
Gonsoulin; Bryan L.	Houston	TX		
Thompson; Larry W.	Willis	TX		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn
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 7. Document ID: US 6215304 B1

L36: Entry 7 of 16

File: USPT

Apr 10, 2001

US-PAT-NO: 6215304
DOCUMENT-IDENTIFIER: US 6215304 B1

TITLE: NMR sensor

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slade; Robert Andrew	Witney			GB

US-CL-CURRENT: 324/303; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	Des
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 8. Document ID: US 5969527 A

L36: Entry 8 of 16

File: USPT

Oct 19, 1999

US-PAT-NO: 5969527

DOCUMENT-IDENTIFIER: US 5969527 A

TITLE: Rf coil assembly

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slade; Robert Andrew	Oxen			GB

US-CL-CURRENT: 324/318; 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	Des
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 9. Document ID: US 5796252 A

L36: Entry 9 of 16

File: USPT

Aug 18, 1998

US-PAT-NO: 5796252

DOCUMENT-IDENTIFIER: US 5796252 A

TITLE: Nuclear magnetic resonance borehole logging apparatus and method for ascertaining a volume of hydrocarbons independent of a diffusion coefficient

DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kleinberg; Robert L.	Ridgefield	CT		
Latour; Lawrence L.	Mattituck	NY		
Sezginer; Abdurrahman	Brookfield	CT		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	Des
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10. Document ID: US 5680044 A

L36: Entry 10 of 16

File: USPT

Oct 21, 1997

US-PAT-NO: 5680044

DOCUMENT-IDENTIFIER: US 5680044 A

TITLE: Oscillating magnetic field generating assembly

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDougall; Ian Leitch	Chalbury			GB
Hanley; Peter	Forest of Dean			GB

US-CL-CURRENT: 324/303; 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Text](#) | [Image](#) | [Claims](#) | [RNC](#) | [Drawn](#) | [Def](#) 11. Document ID: US 5488342 A

L36: Entry 11 of 16

File: USPT

Jan 30, 1996

US-PAT-NO: 5488342

DOCUMENT-IDENTIFIER: US 5488342 A

TITLE: Magnet assembly for NMR

DATE-ISSUED: January 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanley; Peter	Forest of Dean			GB

US-CL-CURRENT: 335/306; 324/303, 324/319, 324/320, 335/301, 335/304[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Text](#) | [Image](#) | [Claims](#) | [RNC](#) | [Drawn](#) | [Def](#) 12. Document ID: US 4412178 A

L36: Entry 12 of 16

File: USPT

Oct 25, 1983

US-PAT-NO: 4412178

DOCUMENT-IDENTIFIER: US 4412178 A

TITLE: Computer-controlled, portable pulsed NMR instrument and method of use
wherein a DC magnetic field gradient is artificially introduced

DATE-ISSUED: October 25, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Robert J. S.	Fullerton	CA		

US-CL-CURRENT: 324/303; 324/313

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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 13. Document ID: US 4408161 A

L36: Entry 13 of 16

File: USPT

Oct 4, 1983

US-PAT-NO: 4408161

DOCUMENT-IDENTIFIER: US 4408161 A

TITLE: Computer-controlled, portable spin echo NMR instrument and method of use

DATE-ISSUED: October 4, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Robert J. S.	Fullerton	CA		

US-CL-CURRENT: 324/303; 324/307, 324/311

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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 14. Document ID: US 3528000 A

L36: Entry 14 of 16

File: USOC

Sep 8, 1970

US-PAT-NO: 3528000

DOCUMENT-IDENTIFIER: US 3528000 A

TITLE: NUCLEAR RESONANCE WELL LOGGING METHOD AND APPARATUS

DATE-ISSUED: September 8, 1970

INVENTOR-NAME: SCHWEDE HAROLD F

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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 15. Document ID: US 2999204 A

L36: Entry 15 of 16

File: USOC

Sep 5, 1961

US-PAT-NO: 2999204

DOCUMENT-IDENTIFIER: US 2999204 A

TITLE: Method and means for reducing inhomogeneities in nuclear magnetism well logging

DATE-ISSUED: September 5, 1961

INVENTOR-NAME: JONES STANLEY B; BROWN ROBERT J S

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

16. Document ID: US 2973471 A

L36: Entry 16 of 16

File: USOC

Feb 28, 1961

US-PAT-NO: 2973471

DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404, 175/405.1, 175/50, 73/152.03, 73/152.11

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

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Term	Documents
(35 AND 31).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	16
(L35 AND L31).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	16

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Search Results - Record(s) 1 through 8 of 8 returned.

1. Document ID: US 20040113617 A1

Using default format because multiple data bases are involved.

L38: Entry 1 of 8

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040113617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040113617 A1

TITLE: Radio frequency NMR resonator with split axial shields .

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
de Swiet, Thomas	Redwood City	CA	US	
Mehr, Knut G.	San Francisco	CA	US	

US-CL-CURRENT: 324/318; 324/300, 324/303, 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RIMC](#) | [Drawn D](#)

2. Document ID: US 20020196018 A1

L38: Entry 2 of 8

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020196018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020196018 A1

TITLE: A nuclear magnetic resonance apparatus and method having toroidal antenna windings

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wisler, Macmillan M.	Kingwood	TX	US	
Gonsoulin, Bryan L.	Houston	TX	US	
Thompson, Larry W.	Willis	TX	US	

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn](#) | [Des](#)

3. Document ID: US 6703833 B2

L38: Entry 3 of 8

File: USPT

Mar 9, 2004

US-PAT-NO: 6703833

DOCUMENT-IDENTIFIER: US 6703833 B2

TITLE: Nuclear magnetic resonance apparatus and method having toroidal antenna windings

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wisler; Macmillan M.	Kingwood	TX		
Gonsoulin; Bryan L.	Houston	TX		
Thompson; Larry W.	Willis	TX		

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn](#) | [Des](#)

4. Document ID: US 6459262 B1

L38: Entry 4 of 8

File: USPT

Oct 1, 2002

US-PAT-NO: 6459262

DOCUMENT-IDENTIFIER: US 6459262 B1

TITLE: Toroidal receiver for NMR MWD

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wisler; Macmillan M.	Kingwood	TX		
Gonsoulin; Bryan L.	Houston	TX		
Thompson; Larry W.	Willis	TX		

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn](#) | [Des](#)

5. Document ID: US 5969527 A

L38: Entry 5 of 8

File: USPT

Oct 19, 1999

US-PAT-NO: 5969527
DOCUMENT-IDENTIFIER: US 5969527 A

TITLE: Rf coil assembly

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slade; Robert Andrew	Oxen			GB

US-CL-CURRENT: 324/318; 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn Ds](#)

6. Document ID: US 5680044 A

L38: Entry 6 of 8

File: USPT

Oct 21, 1997

US-PAT-NO: 5680044
DOCUMENT-IDENTIFIER: US 5680044 A

TITLE: Oscillating magnetic field generating assembly

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDougall; Ian Leitch	Chalbury			GB
Hanley; Peter	Forest of Dean			GB

US-CL-CURRENT: 324/303; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn Ds](#)

7. Document ID: US 5488342 A

L38: Entry 7 of 8

File: USPT

Jan 30, 1996

US-PAT-NO: 5488342
DOCUMENT-IDENTIFIER: US 5488342 A

TITLE: Magnet assembly for NMR

DATE-ISSUED: January 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanley; Peter	Forest of Dean			GB

US-CL-CURRENT: 335/306; 324/303, 324/319, 324/320, 335/301, 335/304

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWL	Dra	Da
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8. Document ID: US 3528000 A

L38: Entry 8 of 8

File: USOC

Sep 8, 1970

US-PAT-NO: 3528000

DOCUMENT-IDENTIFIER: US 3528000 A

TITLE: NUCLEAR RESONANCE WELL LOGGING METHOD AND APPARATUS

DATE-ISSUED: September 8, 1970

INVENTOR-NAME: SCHWEDE HAROLD F

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWL	Dra	Da
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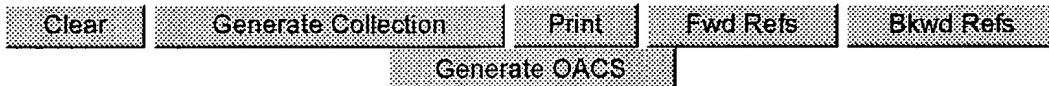
Term	Documents
COAXIAL\$2	0
COAXIAL	417968
COAXIALA	1
COAXIALAL	1
COAXIALAR	2
COAXIALAS	2
COAXIALAY	11
COAXIALBY	1
COAXIALC	1
COAXIALCA	1
COAXIALCE	1
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1. Document ID: US 20040130324 A1

Using default format because multiple data bases are involved.

L39: Entry 1 of 18

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040130324

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040130324 A1

TITLE: Azimuthal NMR imaging of formation properties from a wellbore

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Edwards, Carl M.	Katy	TX	US	

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [NIML](#) | [Print](#)

2. Document ID: US 20040066194 A1

L39: Entry 2 of 18

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040066194

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040066194 A1

TITLE: Magnetic field generating assembly and method

PUBLICATION-DATE: April 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Slade, Robert Andrew	Oxon		GB	
Hawkes, Robert Carter	Cambridge		GB	
Lucas, Alun J.	Royston		GB	
McDougall, Ian Leitch	Oxon		GB	

US-CL-CURRENT: 324/318

[Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Drawn D]

3. Document ID: US 20020140424 A1

L39: Entry 3 of 18

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020140424

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020140424 A1

TITLE: NMR apparatus for oil well logging of large and small diameter wells

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Reiderman, Arcady	Houston	TX	US	
Beard, David R.	Houston	TX	US	

US-CL-CURRENT: 324/303

[Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Drawn D]

4. Document ID: US 20020125885 A1

L39: Entry 4 of 18

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020125885

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020125885 A1

TITLE: Side-looking NMR probe for oil well logging

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Reiderman, Arcady	Houston	TX	US	
Beard, David R.	Houston	TX	US	

US-CL-CURRENT: 324/303

[Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Drawn D]

5. Document ID: US 6720765 B2

L39: Entry 5 of 18

File: USPT

Apr 13, 2004

US-PAT-NO: 6720765

DOCUMENT-IDENTIFIER: US 6720765 B2

TITLE: High-resolution high-speed NMR well logging device

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Carl M.	Katy	TX		
Georgi; Daniel T.	Houston	TX		

US-CL-CURRENT: 324/303; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [EUMC](#) | [Drawn](#) | [O](#)

6. Document ID: US 6657433 B1

L39: Entry 6 of 18

File: USPT

Dec 2, 2003

US-PAT-NO: 6657433

DOCUMENT-IDENTIFIER: US 6657433 B1

TITLE: Portable NMR measurement device

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Locatelli; Marcel	Montbonnot			FR
Cattine; Viviane	Grenoble			FR
Jeandey; Christian	Saint Egreve			FR

US-CL-CURRENT: 324/318; 324/322, 600/410

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [EUMC](#) | [Drawn](#) | [O](#)

7. Document ID: US 6580273 B2

L39: Entry 7 of 18

File: USPT

Jun 17, 2003

US-PAT-NO: 6580273

DOCUMENT-IDENTIFIER: US 6580273 B2

TITLE: Side-looking NMR probe for oil well logging

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reiderman; Arcady	Houston	TX		

Beard; David R. Houston TX

US-CL-CURRENT: 324/303; 324/300

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Doc](#)

8. Document ID: US 6525535 B2

L39: Entry 8 of 18

File: USPT

Feb 25, 2003

US-PAT-NO: 6525535

DOCUMENT-IDENTIFIER: US 6525535 B2

TITLE: NMR apparatus for oil well logging of large and small diameter wells

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reiderman; Arcady	Houston	TX		
Beard; David R.	Houston	TX		

US-CL-CURRENT: 324/303; 324/300

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Doc](#)

9. Document ID: US 6518754 B1

L39: Entry 9 of 18

File: USPT

Feb 11, 2003

US-PAT-NO: 6518754

DOCUMENT-IDENTIFIER: US 6518754 B1

**** See image for Certificate of Correction ****

TITLE: Powerful bonded nonconducting permanent magnet for downhole use

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Carl	Katy	TX		

US-CL-CURRENT: 324/303; 324/300

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Doc](#)

10. Document ID: US 6445180 B1

L39: Entry 10 of 18

File: USPT

Sep 3, 2002

US-PAT-NO: 6445180
DOCUMENT-IDENTIFIER: US 6445180 B1

TITLE: Nuclear magnetic resonance tool with active RF spoiler antenna

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reiderman; Arcady	Houston	TX		
Beard; David	Houston	TX		

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Drawings](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

11. Document ID: US 6411087 B1

L39: Entry 11 of 18

File: USPT

Jun 25, 2002

US-PAT-NO: 6411087
DOCUMENT-IDENTIFIER: US 6411087 B1

TITLE: NMR logging tool with Hi-Tc trap field magnet

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fan; Nongqiang	Redmond	WA		
Chu; Wei-Kan	Pearland	TX		

US-CL-CURRENT: 324/303; 324/300

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Drawings](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

12. Document ID: US 6348792 B1

L39: Entry 12 of 18

File: USPT

Feb 19, 2002

US-PAT-NO: 6348792
DOCUMENT-IDENTIFIER: US 6348792 B1

TITLE: Side-looking NMR probe for oil well logging

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beard; David	Houston	TX		

Reiderman; Arcady Houston TX

US-CL-CURRENT: 324/303; 324/300, 324/307

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn Doc](#)

13. Document ID: US 6118272 A

L39: Entry 13 of 18

File: USPT

Sep 12, 2000

US-PAT-NO: 6118272

DOCUMENT-IDENTIFIER: US 6118272 A

TITLE: Nuclear magnetic resonance apparatus and method

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taicher; Gersh Zvi	Houston	TX		
Reiderman; Arcady	Houston	TX		

US-CL-CURRENT: 324/303; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn Doc](#)

14. Document ID: US 6018243 A

L39: Entry 14 of 18

File: USPT

Jan 25, 2000

US-PAT-NO: 6018243

DOCUMENT-IDENTIFIER: US 6018243 A

TITLE: NMR well logging apparatus and method

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taicher; Gersh (Zvi)	Houston	TX		
Reiderman; Arcady	Houston	TX		

US-CL-CURRENT: 324/303; 324/300, 335/306

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn Doc](#)

15. Document ID: US 5929732 A

L39: Entry 15 of 18

File: USPT

Jul 27, 1999

US-PAT-NO: 5929732
DOCUMENT-IDENTIFIER: US 5929732 A

TITLE: Apparatus and method for amplifying a magnetic beam

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bushman; Boyd B.	Lewisville	TX		

US-CL-CURRENT: 335/306; 315/5.35, 335/210

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUDC](#) | [Drawn](#) | [Des](#)

16. Document ID: US 5646528 A

L39: Entry 16 of 18

File: USPT

Jul 8, 1997

US-PAT-NO: 5646528
DOCUMENT-IDENTIFIER: US 5646528 A

TITLE: Magnet assembly

DATE-ISSUED: July 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanley; Peter	Lydney			GB

US-CL-CURRENT: 324/303; 324/320

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUDC](#) | [Drawn](#) | [Des](#)

17. Document ID: US 5488342 A

L39: Entry 17 of 18

File: USPT

Jan 30, 1996

US-PAT-NO: 5488342
DOCUMENT-IDENTIFIER: US 5488342 A

TITLE: Magnet assembly for NMR

DATE-ISSUED: January 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanley; Peter	Forest of Dean			GB

US-CL-CURRENT: 335/306; 324/303, 324/319, 324/320, 335/301, 335/304

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Drawn D]

18. Document ID: WO 9418577 A1, DE 69412192 E, EP 636250 A1, JP 07505959 W, US 5488342 A, EP 636250 B1

L39: Entry 18 of 18

File: DWPI

Aug 18, 1994

DERWENT-ACC-NO: 1994-279926

DERWENT-WEEK: 199842

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TITLE: Magnetic assembly for generating a magnetic field to perform NMR process - with pair of substantially aligned, spaced apart first magnets with like poles facing each other and magnet placed adjacent space between first magnets.

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